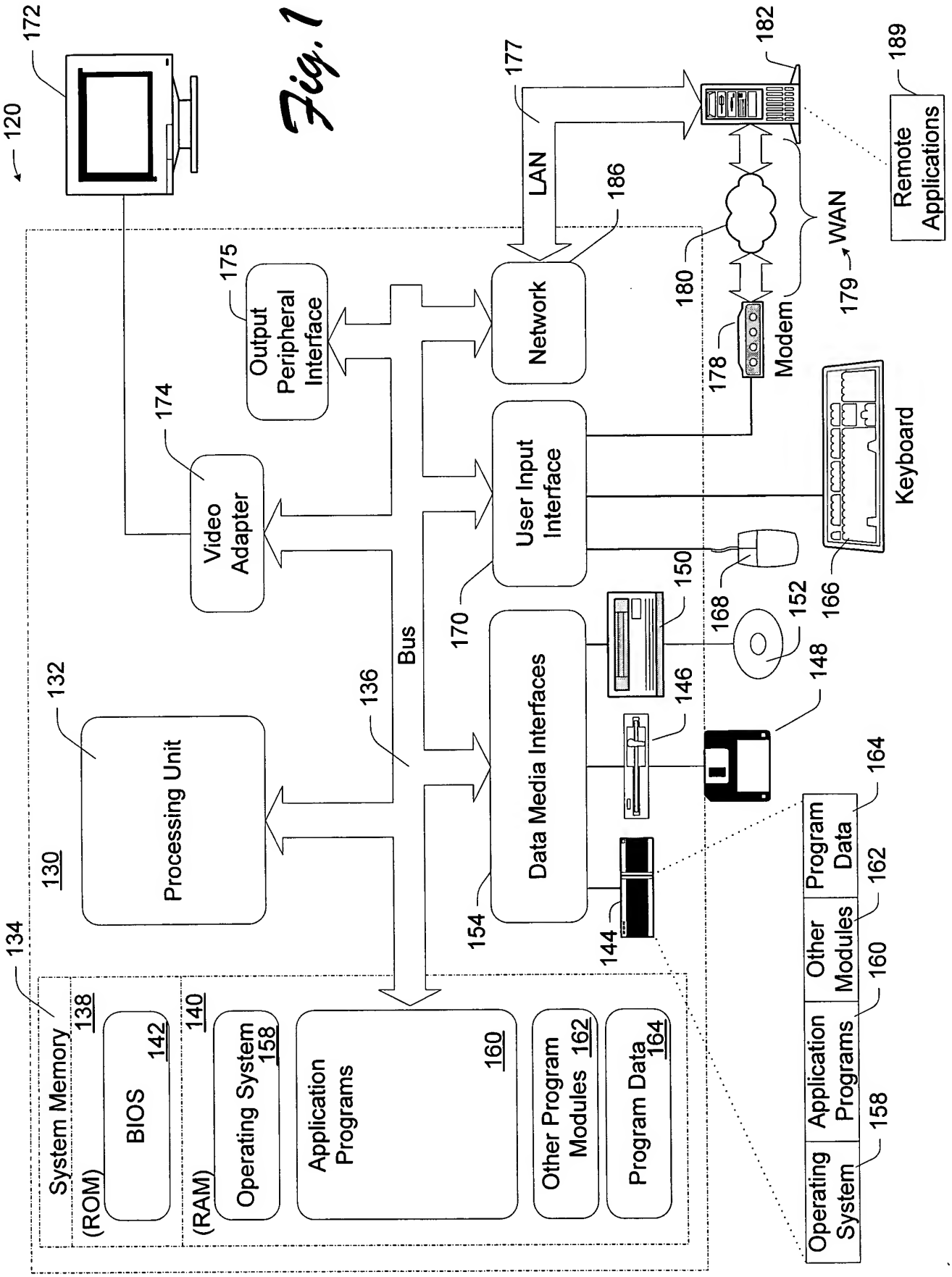
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Fig. 1
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189
LAN
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Remote Applications
175
Output Peripheral Interface
Network
180
WAN
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Modem
178
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Video Adapter
User Input Interface
Keyboard
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Bus
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Processing Unit
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System Memory
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(RAM)
Operating System
158
Application Programs
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Other Program Modules
162
Program Data
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Operating System
158
Application Programs
160
Other Modules
162
Program Data
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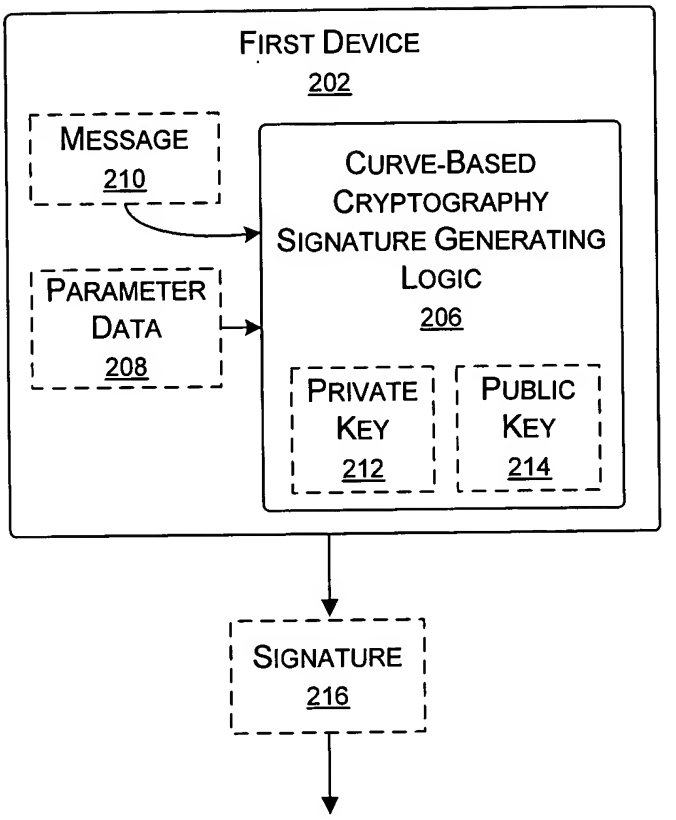
FIRST DEVICE
202
MESSAGE
210
PARAMETER DATA
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CURVE-BASED CRYPTOGRAPHY SIGNATURE GENERATING LOGIC
206
PRIVATE KEY
212
PUBLIC KEY
214
SIGNATURE
216
SECOND DEVICE
204
MESSAGE
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PARAMETER DATA
208
PUBLIC KEY
214
CURVE-BASED CRYPTOGRAPHY SIGNATURE VERIFYING LOGIC
218

Fig. 2

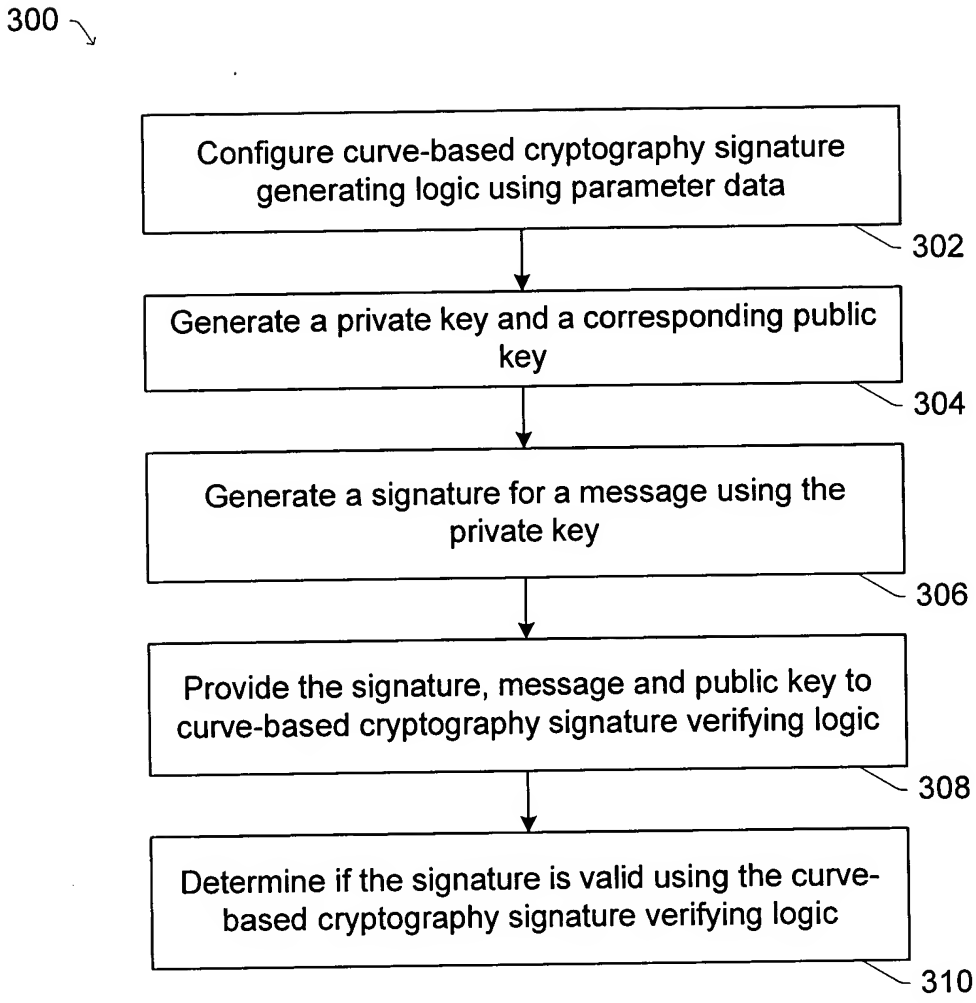
300
Configure curve-based cryptography signature generating logic using parameter data
302
Generate a private key and a corresponding public key
304
Generate a signature for a message using the private key
306
Provide the signature, message and public key to curve-based cryptography signature verifying logic
308
Determine if the signature is valid using the curve-based cryptography signature verifying logic
310

Fig. 3